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(71) Applicant (for all designated States except US): KONINKLIJKE PHILIPS ELECTRONICS N.V. [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): HIKMET, Rifat, A., M. [CY/NL]; c/o Philips Intellectual Property & Standards, Cross Oak Lane, Redhill, Surrey RH1 5HA (GB). VAN BOMMEL, Ties [NL/NL]; c/o Philips Intellectual Property & Standards, Cross Oak Lane, Redhill, Surrey RH1 5HA (GB). VAN DE WITTE, Peter [NL/CN]; c/o Philips Intellectual Property & Standards, Cross Oak Lane, Redhill, Surrey RH1 5HA (GB). WIMBERGER-FRIEDL, Reinhold [AT/NL]; c/o Philips Intellectual Property & Standards, Cross Oak Lane, Redhill, Surrey RH1 5HA (GB). BURDINSKI, Dirk [DE/DE]; c/o Philips Intellectual Property & Standards, Cross Oak Lane, Redhill, Surrey RH1 5HA (GB).

(74) Agents: WILLIAMSON, Paul, L. et al.; c/o Philips Intellectual Propert & Standards, Cross Oak Lane, Redhill, Surrey RH1 5HA (GB).

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(54) Title: COLLIMATOR

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(57) Abstract: A collimator panel comprises: a solid panel having a first face for receiving uncollimated radiation and a second opposite face for providing collimated radiation; and a plurality of elongate particles disposed in the panel and orientated to provide the collimating function. A method of manufacturing a collimator panel comprises the steps of: suspending a plurality of elongate particles in a liquid; applying an electric or magnetic field to the suspension to orientate the particles; and solidifying the liquid to fix the orientation of the particles, thereby forming a collimator panel. A method of manufacturing the elongate particles is also provided.



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